

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"6225888".pn.	USPAT	OR	OFF	2007/06/27 09:47
L2	57	(base adj station) WITH (private adj key)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/27 09:25
L3	28	2 and signature	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/27 09:32
L4	668	(authenticat\$ verif\$) WITH (mobile cellular) WITH signature	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/27 09:33
L6	215	(authenticat\$ verif\$) near4 (mobile cellular) near4 signature	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/27 09:36
L7	123	6 and (private near key)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/27 09:37
L8	1	"5,371,794".pn.	USPAT	OR	OFF	2007/06/27 09:54
L9	1	8 and (base WITH private)	USPAT	OR	ON	2007/06/27 09:55
L10	1	8 and (base WITH private with signature)	USPAT	OR	ON	2007/06/27 09:55
S1	1	"6173173".pn.	USPAT	OR	OFF	2004/05/04 13:56
S2	1	S1 and key	USPAT	OR	OFF	2004/05/04 13:28
S3	1	S1 and key	USPAT	OR	ON	2004/05/04 13:38
S4	0	S1 and initial	USPAT	OR	ON	2004/05/04 13:38
S5	1	"5204902".pn.	USPAT	OR	OFF	2004/05/04 13:56
S6	1	S5 and generat\$	USPAT	OR	OFF	2004/05/04 13:56
S7	1	"5204902".pn.	USPAT	OR	OFF	2007/06/27 09:15
S8	275	challenge same (generat\$ WITH key)	USPAT	OR	ON	2003/11/17 11:03
S9	29	(challenge same (generat\$ WITH key)) and padding	USPAT	OR	ON	2003/11/17 11:04
S10	17	((challenge same (generat\$ WITH key)) and padding) and (mobile or cellular)	USPAT	OR	ON	2003/11/17 11:04
S11	4	(challenge same (generat\$ WITH key)) and (padding WITH key)	USPAT	OR	ON	2003/11/17 11:04

## EAST Search History

S12	4	((challenge same (generat\$ WITH key)) and (padding WITH key)) and (mobile or cellular)	USPAT	OR	ON	2003/11/17 11:05
S13	0	((challenge same (generat\$ WITH key)) and (padding WITH key)) and (mobile or cellular)) and hash	USPAT	OR	ON	2003/11/17 11:05
S14	5	((challenge same (generat\$ WITH key)) and padding) and (mobile or cellular)) and hash\$	USPAT	OR	ON	2003/11/17 11:05
S15	5	((challenge same (generat\$ WITH key)) and padding) and (mobile or cellular)) and hash\$) and (mobile or cellular)	USPAT	OR	ON	2003/11/17 11:09
S16	92	Padding WITH key	USPAT	OR	ON	2003/11/17 11:17
S17	3	(Padding WITH key) same advantag\$	USPAT	OR	ON	2003/11/17 11:09
S18	48	(Padding WITH key) and encrypt\$	USPAT	OR	ON	2005/01/31 14:29
S19	1	"5204902".pn.	USPAT	OR	ON	2003/11/18 09:47
S20	1	"5204902".pn. and memory	USPAT	OR	ON	2003/11/18 09:47
S21	2857	challenge near3 response	USPAT	OR	ON	2005/01/31 14:33
S22	466	S21 same keys	USPAT	OR	ON	2005/01/31 14:33
S23	0	S22 and subscriber and (concat\$ near4 initial) and (second near2 key) and hash\$	USPAT	OR	ON	2005/01/31 16:05
S24	0	S22 and (concat\$ near4 initial) and (second near2 key) and hash\$	USPAT	OR	ON	2005/01/31 14:34
S25	14	S22 and subscriber and (concat\$ near4 value) and (second near2 key) and hash\$	USPAT	OR	ON	2005/01/31 16:06
S26	17	S22 and subscriber and concat\$ and (second near2 key) and hash\$	USPAT	OR	ON	2005/01/31 15:35
S27	47	S22 and subscriber and concat\$ and hash\$	USPAT	OR	ON	2005/01/31 15:35
S28	47	S22 and subscriber and concat\$ and hash\$ and keys	USPAT	OR	OFF	2005/01/31 16:06
S29	47	S28 and (mobile or cellular)	USPAT	OR	ON	2005/01/31 16:27
S30	0	S21 and subscriber and (concat\$ near4 initial) and (second near2 key) and hash\$	USPAT	OR	ON	2005/01/31 16:05
S31	16	S21 and subscriber and (concat\$ near4 value) and (second near2 key) and hash\$	USPAT	OR	ON	2005/01/31 16:06
S32	51	S21 and subscriber and concat\$ and hash\$ and keys	USPAT	OR	OFF	2005/01/31 16:15

## EAST Search History

S33	1	"6609199".pn.	USPAT	OR	OFF	2005/01/31 16:15
S34	1	S33 and challenge	USPAT	OR	OFF	2005/01/31 16:16
S35	1	S33 and challenge same key	USPAT	OR	ON	2005/01/31 16:18
S36	1	S33 and concat\$	USPAT	OR	ON	2005/01/31 16:24
S37	1	S33 and random	USPAT	OR	ON	2005/01/31 16:26
S38	53	concat\$ WITH (secret near2 key)	USPAT	OR	ON	2005/01/31 16:26
S39	31	S38 and signature	USPAT	OR	ON	2005/01/31 16:26
S40	10	S39 and (mobile or cellular)	USPAT	OR	ON	2005/01/31 16:28
S41	10	S40 and hash\$	USPAT	OR	ON	2005/01/31 16:39
S42	1	"6516414".pn.	USPAT	OR	ON	2005/01/31 16:39
S43	1	S42 and key	USPAT	OR	ON	2005/01/31 16:40
S44	1	S42 and secret near key	USPAT	OR	ON	2005/01/31 16:41
S45	1	S42 and signature	USPAT	OR	ON	2005/01/31 16:41
S46	1	S42 and concat\$	USPAT	OR	ON	2005/01/31 16:47
S47	1	S42 and hash\$	USPAT	OR	ON	2005/01/31 16:47
S48	1	"6,609,199".pn.	USPAT	OR	OFF	2005/08/19 13:42
S49	1	S48 and challenge	USPAT	OR	OFF	2005/08/19 13:33
S50	1	S48 and challenge	USPAT	OR	ON	2005/08/19 13:39
S51	1	S48 and concat\$	USPAT	OR	ON	2005/08/19 13:40
S52	1	S48 and sir	USPAT	OR	ON	2005/08/19 13:40
S53	1	"6,516,414".pn.	USPAT	OR	OFF	2005/08/19 13:44
S54	1	S53 and secret	USPAT	OR	OFF	2005/08/19 13:44
S55	1	S53 and secret	USPAT	OR	ON	2005/08/19 13:51
S56	1	S53 and signature	USPAT	OR	ON	2006/11/09 11:01
S57	1	"6609199".pn.	USPAT	OR	OFF	2006/02/01 14:22
S58	1	"6516414".pn.	USPAT	OR	OFF	2006/02/01 14:24
S59	1	S58 and signature	USPAT	OR	OFF	2006/02/01 14:35
S60	1	S58 and secret	USPAT	OR	OFF	2006/02/01 14:29
S61	1	S58 and concat\$ WITH secret	USPAT	OR	OFF	2006/02/01 14:29
S62	1	S58 and signature same (secret adj key)	USPAT	OR	ON	2006/02/01 14:33
S63	0	S58 and mobile	USPAT	OR	OFF	2006/02/01 14:35
S64	885	generat\$ WITH key WITH challenge	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/09 11:17

## EAST Search History

S65	66	concatenat\$ WITH seed WITH key	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/09 11:42
S66	5	S64 and S65	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/09 11:18
S67	44	S65 and hash\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/09 11:20
S68	2292	concatenat\$ WITH (seed (random adj number) (first adj key) key) WITH key	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/09 11:43
S69	38	concatenat\$ WITH (seed (random adj number) (first adj key) key) WITH (second adj key)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/09 15:43
S70	3	S69 and challenge and hash\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/09 12:09
S71	342	S68 and challenge and hash\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/09 12:09
S72	19	concatenat\$ WITH (secret adj key) WITH ((serial adj number) id identifier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/09 15:47
S73	4	S72 and (mobile cellular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/11 17:24
S74	149	concatenat\$ WITH (secret adj key)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/09 16:53
S75	52	S74 and (mobile cellular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/09 15:56
S76	38	S75 and signature	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/09 16:00

## EAST Search History

S77	1	S76 and sswc	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/09 16:01
S78	2	S76 and wc-id	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/09 16:22
S79	0	S78 and session	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/09 16:27
S80	23	S76 and session	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/09 16:29
S81	2	(concatenat\$ combin\$ hash) WITH (secret adj key) with (phone adj number)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/09 16:52
S82	2	(concatenat\$ combin\$ hash) WITH (secret adj key) with ((phone adj number) \$SDN)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/09 16:53
S83	19	concatenat\$ WITH (secret adj key) WITH ((serial adj number) id identifier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/11 17:24
S84	6	S83 and (mobile cellular phone)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/11 17:47
S85	6	S84 and hash\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/11 17:40
S86	1062	signature WITH hash\$ WITH key WITH message	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/11 17:40
S87	412	signature near3 hash\$ near3 key near3 message	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/11 17:41
S88	13	generat\$ near3 signature near3 hash\$ near3 key near3 message	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/11 17:41

## EAST Search History

S89	0	signature near3 hash\$ near3 key near3 message near3 concatenat\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/11 17:46
S90	169	primary near signature	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/11 17:46
S91	40	S90 and (mobile cellular phone)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/11 17:55
S92	6	S91 and (private adj key)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/11 17:53
S93	42	(mobile cellular phone) near3 transmit\$ near signature	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/11 17:56
S94	44	station near3 transmit\$ near signature	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/11 17:56
S95	18	S93 and S94	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/11 17:56
S96	1	"6507907".pn.	USPAT	OR	OFF	2006/11/13 08:59
S97	0	S96 and mobile	USPAT	OR	ON	2006/11/13 08:49
S98	1	S96 and wireless	USPAT	OR	ON	2006/11/13 08:49
S99	1	S96 and \$phone	USPAT	OR	ON	2006/11/13 08:51
S10 0	1	S96 and signature	USPAT	OR	ON	2006/11/13 08:51
S10 1	1	"6606313".pn.	USPAT	OR	OFF	2006/11/13 08:59
S10 2	1	S101 and signature	USPAT	OR	OFF	2006/11/13 08:59
S10 3	1	S101 and signature	USPAT	OR	ON	2006/11/13 09:01
S10 4	1	S101 and key	USPAT	OR	ON	2006/11/13 09:02
S10 5	10	(base adj station) WITH key WITH signature	USPAT	OR	ON	2007/06/27 09:24
S10 6	361	mobile WITH signature	USPAT	OR	ON	2006/11/13 09:03

## EAST Search History

S10 7	6	S105 and S106	USPAT	OR	ON	2006/11/13 09:05
S10 8	1	S107 and mbkey	USPAT	OR	ON	2006/11/13 09:06
S10 9	4	S107 and private	USPAT	OR	ON	2006/11/13 09:06